AMENDMENTS TO THE CLAIMS

1. (Currently Amended) In a broadband communication system, a method for allocating a communication resource that comprises a communication reverse link traffic channel, the method comprising steps of:

receiving a communication resource access request at a time that data received via the communication reverse link traffic channel is currently being demodulated; and

in response to receiving the communication resource access request, transmitting a grant of access to the communication reverse link traffic channel.

- 2. (Original) The method of claim 1, wherein the access grant is transmitted prior to completion of the demodulation of the data.
- 3. (Currently Amended) The method of claim 1, wherein the step of transmitting a grant of access to the communication reverse link traffic channel comprises steps of:

determining a time that a demodulator will be available;

determining a time that a grant of access to the communication reverse link traffic channel can be transmitted based on the time that the demodulator will be available; and

transmitting an access grant based on the received request and on the determined time that the grant of access to the communication reverse link traffic channel can be transmitted.

- 4. (Currently Amended) The method of claim 3, wherein the step of transmitting a grant of access to the communication reverse link traffic channel further comprises a step of determining a time that the demodulator will finish demodulating the received message.
- 5. (Currently Amended) The method of claim 3, wherein the step of transmitting a grant of access to the eemmunication reverse link traffic channel further comprises a step of determining a time interval between the time that the demodulator will be available and the time that an access grant can be transmitted.

- 6. (Original) The method of claim 1, wherein the communication resource access request is a preamble.
- 7. (Original) The method of claim 1, wherein the access grant is an acknowledgment.
- 8. (Currently Amended) An apparatus for allocating a communication resource in a broadband communication system, wherein the communication resource comprises a communication reverse link traffic channel, the apparatus comprising:
- an access request detector that detects a receipt of a communication resource access request;
- a demodulator that is capable of demodulating messages received via the communication reverse link traffic channel;
- a means for generating a grant of access to the communication reverse link traffic channel and the demodulator in response to reception of the communication resource access request; and
- wherein the communication resource access request is received at a time that the demodulator is engaged in a demodulation of a received message received via the reverse link traffic channel.
- 9. (Original) The apparatus of claim 8, wherein the access grant is generated prior to completion of demodulation of the message.
- 10. (Currently Amended) The apparatus of claim 8, wherein the a means for generating a grant of access to the communication reverse link traffic channel comprises:
 - a means for determining a time that the demodulator will be available;
- a means for determining a time of transmission of a grant of access to the eemmunication reverse link traffic channel based on the determined time of demodulator availability; and
- a means for generating an access grant based on the received communication resource access request and on the determined time of transmission of the access grant.

- 11. (Currently Amended) The apparatus of claim 10, wherein the means for generating a grant of access to the communication reverse link traffic channel further comprises a means for determining a time that the demodulator will finish demodulating the received message.
- 12. (Currently Amended) The apparatus of claim 10, wherein the means for generating a grant of access to the communication reverse link traffic channel further comprises a means for determining a time interval between the time that the demodulator will be available and the time that an access grant may be transmitted.
- 13. (Original) The apparatus of claim 8, wherein the access grant comprises an acknowledgment.
- 14. (Original) The apparatus of claim 8, wherein the communication resource access request comprises a preamble and wherein the access request detector comprises a preamble detector that detects a preamble in a received signal.
- 15. (Currently Amended) A communication device capable of operating in a broadband communication system, the communication device comprising:
 - a receiver for receiving an communication resource access request;
- an access request detector coupled to the receiver that detects a receipt of the communication resource access request;
- a demodulator coupled to the receiver that is capable of demodulating messages received via a communication reverse link traffic channel;
- a means for generating a grant of access to the demodulator in response to reception of the communication resource access request;
- a modulator for modulating the access grant onto a radio frequency signal to produce a modulated access grant;
 - a transmitter for transmitting the modulated access grant; and

wherein the communication resource access request is received at a time that the demodulator is engaged in a demodulation of an already received a message received via the reverse link traffic channel.

- 16. (Original) The communication device of claim 15, wherein the access grant is generated when the demodulator is engaged in a demodulation of an already received message.
- 17. (Currently Amended) The communication device of claim 15, wherein the a means for generating a grant of access to the communication reverse link traffic channel comprises:
 - a means for determining a time that the demodulator will be available;
- a means for determining a time of transmission of a grant of access to the eemmunication reverse link traffic channel based on the determined time of demodulator availability; and
- a means for generating an access grant based on the received communication resource access request and on the determined time of transmission of the access grant.
- 18. (Currently Amended) The communication device of claim 17, wherein the means for generating a grant of access to the communication reverse link traffic channel further comprises a means for determining a time that the demodulator will finish demodulating the received message.
- 19. (Currently Amended) The communication device of claim 17, wherein the means for generating a grant of access to the communication reverse link traffic channel further comprises a means for determining a time interval between the time that the demodulator will be available and the time that an access grant may be transmitted.
- 20. (Original) The communication device of claim 15, wherein the communication resource access request comprises a preamble and wherein the access request detector comprises a preamble detector capable of detecting the preamble.

comprises an acknowledgment.

- 21. (Original) The communication device of claim 15, wherein the access grant
- 22. (New) The method of claim 1, further comprising a step of determining an earliest time that a grant of access to the reverse link traffic channel can be conveyed to a mobile station and wherein transmitting comprises transmitting the grant of access to the mobile station at or after the determined earliest time.
- 23. (New) The apparatus of claim 8, wherein the means for generating a grant of access to the communication channel comprises a means for determining an earliest time that a grant of access to the reverse link traffic channel can be conveyed to a mobile station and wherein the apparatus further comprises a means for conveying the grant of access to the mobile station at or after the determined earliest time.
- 24. (New) The communication device of claim 15, wherein the means for generating a grant of access to the communication channel comprises a means for determining an earliest time that a grant of access to the reverse link traffic channel can be conveyed to a mobile station and wherein the apparatus further comprises a means for conveying the grant of access to the mobile station at or after the determined earliest time.